

## Spool File For Oracle Students Trained by Mr.Sathish Yellanki

---

SQL> cl scr

SQL> SELECT \* FROM MyBonus;

EMPNO	BONUS
7654	225
7499	260
7844	250
7521	225
7698	285
7900	95

6 rows selected.

SQL> INSERT INTO Emp

2 (Empno, Ename, Deptno, Job, Sal, Comm, HireDate, MGR)

3 VALUES

4 (

5 7935, 'SURESH', 30, 'CLERK', 3750, NULL, SYSDATE, 7698

6 );

1 row created.

SQL> ED

Wrote file afiedt.buf

1 INSERT INTO Emp

2 (Empno, Ename, Deptno, Job, Sal, Comm, HireDate, MGR)

3 VALUES

4\* (7936, 'SAMPATH', 30, 'CLERK', 4250, NULL, SYSDATE, 7698)

SQL> /

1 row created.

SQL> /ED

SP2-0042: unknown command "/ED" - rest of line ignored.

SQL> ED

Wrote file afiedt.buf

1 INSERT INTO Emp

2 (Empno, Ename, Deptno, Job, Sal, Comm, HireDate, MGR)

3\* VALUES(7937, 'RAKESH', 30, 'CLERK', 3850, NULL, SYSDATE, 7698)

SQL> /

1 row created.

SQL> ED

Wrote file afiedt.buf

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```
1  INSERT INTO Emp
2  (Empno, Ename, Deptno, Job, Sal, Comm, HireDate, MGR)
3*  VALUES(7938, 'RAJNISH', 30, 'CLERK', 4500, NULL, SYSDATE, 7698)
SQL> /
```

1 row created.

```
SQL> SELECT * FROM Emp
2  WHERE Deptno = 30;
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL
COMM	DEPTNO				
	7698	BLAKE	MANAGER	7839 01-MAY-81	2850
30					
	7654	MARTIN	SALESMAN	7698 28-SEP-81	1250
1400	30				
	7499	ALLEN	SALESMAN	7698 20-FEB-81	1600
300	30				
	7844	TURNER	SALESMAN	7698 08-SEP-81	1500
0	30				
	7900	JAMES	CLERK	7698 03-DEC-81	950
30					
	7521	WARD	SALESMAN	7698 22-FEB-81	1250
500	30				
	7935	SURESH	CLERK	7698 28-MAR-14	3750
30					
	7936	SAMPATH	CLERK	7698 28-MAR-14	4250
30					
	7937	RAKESH	CLERK	7698 28-MAR-14	3850
30					
	7938	RAJNISH	CLERK	7698 28-MAR-14	4500
30					

10 rows selected.

```
SQL> UPDATE Emp
2  SET Sal = Sal + 2000
3  WHERE Ename = 'BLAKE';
```

1 row updated.

```
SQL> UPDATE Emp
2  SET Sal = Sal + 2600
3  WHERE Ename = 'ALLEN';
```

1 row updated.

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```
SQL> SELECT * FROM Emp
2 WHERE Deptno = 30;
```

COMM	EMPNO	ENAME	JOB	MGR	HIREDATE	SAL
	7698	BLAKE	MANAGER	7839	01-MAY-81	4850
30	7654	MARTIN	SALESMAN	7698	28-SEP-81	1250
1400	30					
	7499	ALLEN	SALESMAN	7698	20-FEB-81	4200
300	30					
	7844	TURNER	SALESMAN	7698	08-SEP-81	1500
0	30					
	7900	JAMES	CLERK	7698	03-DEC-81	950
30						
	7521	WARD	SALESMAN	7698	22-FEB-81	1250
500	30					
	7935	SURESH	CLERK	7698	28-MAR-14	3750
30						
	7936	SAMPATH	CLERK	7698	28-MAR-14	4250
30						
	7937	RAKESH	CLERK	7698	28-MAR-14	3850
30						
	7938	RAJNISH	CLERK	7698	28-MAR-14	4500
30						

10 rows selected.

```
SQL> MERGE INTO MyBonus B
2 USING
3 (
4 SELECT Empno, Sal, Deptno
5 FROM Emp
6 WHERE Deptno = 30
7 ) S
8 ON (B.Empno = S.Empno)
9 WHEN MATCHED THEN
10 UPDATE
11 SET B.Bonus = B.Bonus + S.Sal * 0.1
12 DELETE
13 WHERE (S.Sal > 4000)
14 WHEN NOT MATCHED THEN
15 INSERT(B.Empno, B.Bonus)
16 VALUES(S.Empno, S.Sal * 0.1)
17 WHERE (S.Sal <= 4000);
```

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---

8 rows merged.

SQL> SELECT \* FROM MyBonus;

EMPNO	BONUS
7654	350
7844	400
7521	350
7900	190
7935	375
7937	385

6 rows selected.

SQL> ROLLBACK;

Rollback complete.

SQL> cl scr

SQL> CREATE TABLE ExamTimeTable  
2 (  
3 ExamName VARCHAR2(30),  
4 ExamTime VARCHAR2(12),  
5 CONSTRAINT ExamNamePK PRIMARY KEY(ExamName)  
6 );

Table created.

SQL> INSERT INTO ExamTimeTable  
2 VALUES ('PHYSICAL SCIENCES' , '9:00 AM');

1 row created.

SQL> SELECT \* FROM ExamTimeTable;

EXAMNAME	EXAMTIME
PHYSICAL SCIENCES	9:00 AM

SQL> MERGE INTO ExamTimeTable E1  
2 USING ExamTimeTable E2  
3 ON  
4 (  
5 E2.ExamName = E1.ExamName AND  
6 E1.ExamName = 'PHYSICAL SCIENCES'  
7 )  
8 WHEN MATCHED THEN

---

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---

```
9  UPDATE
10 SET E1.ExamTime = '10:30 AM'
11 WHEN NOT MATCHED THEN
12 INSERT(E1.ExamName, E1.ExamTime)
13 VALUES('PHYSICAL SCIENCES' , '10:30 AM')
14 /
```

1 row merged.

```
SQL> SELECT * FROM ExamTimeTable;
```

EXAMNAME	EXAMTIME
PHYSICAL SCIENCES	10:30 AM

```
SQL> MERGE INTO ExamTimeTable E1
2  USING ExamTimeTable E2
3  ON
4  (
5  E2.ExamName = E1.ExamName AND
6  E1.ExamName = 'CHEMICAL SCIENCES'
7  )
8  WHEN MATCHED THEN
9  UPDATE SET E1.ExamTime = '12:30 PM'
10 WHEN NOT MATCHED THEN
11 INSERT(E1.ExamName, E1.ExamTime)
12 VALUES('CHEMICAL SCIENCES' , '12:30 PM');
```

1 row merged.

```
SQL> SELECT * FROM ExamTimeTable;
```

EXAMNAME	EXAMTIME
PHYSICAL SCIENCES	10:30 AM
CHEMICAL SCIENCES	12:30 PM

```
SQL> cl scr
```

```
SQL> DELETE FROM Dept
2  WHERE Deptno = 40;
```

1 row deleted.

```
SQL> SELECT * FROM Dept;
```

DEPTNO	DNAME	LOC
10	ACCOUNTING	NEW YORK

---

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```
20 RESEARCH      DALLAS
30 SALES          CHICAGO
```

SQL> ROLLBACK;

Rollback complete.

SQL> SELECT \* FROM Dept;

DEPTNO	DNAME	LOC
10	ACCOUNTING	NEW YORK
20	RESEARCH	DALLAS
30	SALES	CHICAGO
40	OPERATIONS	BOSTON

```
SQL> DELETE FROM Dept
2 WHERE Deptno = 30;
DELETE FROM Dept
*
```

ERROR at line 1:

ORA-02292: integrity constraint (SCOTT.EMP\_FOREIGN\_KEY) violated - child record found

SQL> cl scr

```
SQL> DELETE FROM Emp
2 WHERE Deptno = 30;
```

6 rows deleted.

SQL> SELECT \* FROM Emp;

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL
COMM	DEPTNO				
	7839	KING	PRESIDENT	17-NOV-81	5000
10					
	7782	CLARK	MANAGER	7839 09-JUN-81	2450
10					
	7566	JONES	MANAGER	7839 02-APR-81	2975
20					
	7902	FORD	ANALYST	7566 03-DEC-81	3000
20					
	7369	SMITH	CLERK	7902 17-DEC-80	800
20					

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## Spool File For Oracle Students Trained by Mr.Sathish Yellanki

```
.....
      7788 SCOTT      ANALYST      7566 09-DEC-82      3000
20
      7876 ADAMS      CLERK      7788 12-JAN-83      1100
20
      7934 MILLER     CLERK      7782 23-JAN-82      1300
10
```

8 rows selected.

SQL> ROLLBACK;

Rollback complete.

SQL> SELECT \* FROM Emp;

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL
COMM	DEPTNO				
-----	-----	-----	-----	-----	-----
10	7839 KING	PRESIDENT		17-NOV-81	5000
30	7698 BLAKE	MANAGER	7839	01-MAY-81	2850
10	7782 CLARK	MANAGER	7839	09-JUN-81	2450
20	7566 JONES	MANAGER	7839	02-APR-81	2975
1400	7654 MARTIN	SALESMAN	7698	28-SEP-81	1250
	30				
300	7499 ALLEN	SALESMAN	7698	20-FEB-81	1600
	30				
0	7844 TURNER	SALESMAN	7698	08-SEP-81	1500
	30				
30	7900 JAMES	CLERK	7698	03-DEC-81	950
500	7521 WARD	SALESMAN	7698	22-FEB-81	1250
	30				
20	7902 FORD	ANALYST	7566	03-DEC-81	3000
20	7369 SMITH	CLERK	7902	17-DEC-80	800
20	7788 SCOTT	ANALYST	7566	09-DEC-82	3000
20	7876 ADAMS	CLERK	7788	12-JAN-83	1100
10	7934 MILLER	CLERK	7782	23-JAN-82	1300

14 rows selected.

-----  
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---

```
SQL> DELETE FROM Emp
      2 WHERE Deptno = 10;
DELETE FROM Emp
*
```

ERROR at line 1:

ORA-02292: integrity constraint (SCOTT.EMP\_SELF\_KEY) violated - child record found

```
SQL> cl scr
```

```
SQL> ROLLBACK;
```

Rollback complete.

```
SQL> cl scr
```

```
SQL> DELETE FROM Dept
      2
```

```
SQL>
```

```
SQL> DELETE FROM Emp
      2 WHERE Deptno =
      3 (
      4   SELECT Deptno
      5   FROM Dept
      6   WHERE Dname = 'SALES'
      7   );
```

6 rows deleted.

```
SQL> ROOLBACK;
```

SP2-0042: unknown command "ROOLBACK" - rest of line ignored.

```
SQL> ROLLBACK;
```

Rollback complete.

```
SQL> ED
```

Wrote file afiedt.buf

```

1  SELECT *
2  FROM Emp
3  WHERE Deptno =
4  (
5    SELECT Deptno
6    FROM Dept
7    WHERE Dname = 'SALES'
8*  )
SQL> /
```

---

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COMM	EMPNO	ENAME	JOB	MGR	HIREDATE	SAL
		DEPTNO				
30	7698	BLAKE	MANAGER	7839	01-MAY-81	2850
1400	7654	MARTIN	SALESMAN	7698	28-SEP-81	1250
300	7499	ALLEN	SALESMAN	7698	20-FEB-81	1600
0	7844	TURNER	SALESMAN	7698	08-SEP-81	1500
30	7900	JAMES	CLERK	7698	03-DEC-81	950
500	7521	WARD	SALESMAN	7698	22-FEB-81	1250

6 rows selected.

SQL> cl scr

SQL> ROLLBACK;

Rollback complete.

SQL> cl scr

SQL> SPOOL OFF

SQL> DELETE FROM Dept  
2 WHERE Deptno = 40;

1 row deleted.

SQL> SELECT \* FROM Dept;

DEPTNO	DNAME	LOC
10	ACCOUNTING	NEW YORK
20	RESEARCH	DALLAS
30	SALES	CHICAGO

SQL> DELETE FROM Dept  
2 WHERE Deptno = 40;

0 rows deleted.

SQL> ROLLBACK;

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Rollback complete.

SQL> SELECT \* FROM Dept;

DEPTNO	DNAME	LOC
10	ACCOUNTING	NEW YORK
20	RESEARCH	DALLAS
30	SALES	CHICAGO
40	OPERATIONS	BOSTON

SQL> DELETE FROM Emp  
2 WHERE Ename = 'TURNER';

1 row deleted.

SQL> DELETE FROM Dept  
2 WHERE Deptno = 40;

0 rows deleted.

SQL> SELECT \* FROM Emp WHERE Ename = 'TURNER';

no rows selected

SQL> ROLLBACK;

Rollback complete.

SQL> SELECT \* FROM Emp WHERE Ename = 'TURNER';

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL
7844	TURNER	SALESMAN	7698	08-SEP-81	1500

SQL> SELECT \* FROM Dept;

DEPTNO	DNAME	LOC
10	ACCOUNTING	NEW YORK
20	RESEARCH	DALLAS
30	SALES	CHICAGO

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---

SQL> cl scr

SQL> SAVEPOINT INSDep;

Savepoint created.

SQL> INSERT INTO Dept  
2 VALUES(40, 'OPERATIONS', 'BOSTON');

1 row created.

SQL> INSERT INTO Dept  
2 VALUES(50, 'SHIPPING', 'CHENNAI');

1 row created.

SQL> INSERT INTO Dept  
2 VALUES(60, 'CARGO', 'MUMBAI');

1 row created.

SQL> SAVEPOINT UPDEmp;

Savepoint created.

SQL> UPDATE Emp  
2 SET Sal = Sal + 1000  
3 WHERE Ename = 'TURNER';

1 row updated.

SQL> UPDATE Emp  
2 SET Sal = Sal + 500  
3 WHERE Ename = 'SMITH';

1 row updated.

SQL> SAVEPOINT DELEmp;

Savepoint created.

SQL> DELETE FROM Emp  
2 WHERE Ename = 'JAMES';

1 row deleted.

SQL> DELETE FROM Emp  
2 WHERE Ename = 'MILLER';

---

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---

1 row deleted.

```
SQL> DELETE FROM Emp
      2 WHERE Ename = 'ADAMS';
```

1 row deleted.

```
SQL> COMMIT TO SAVEPOINT DELEmp;
COMMIT TO SAVEPOINT DELEmp
      *
```

ERROR at line 1:

ORA-02185: a token other than WORK follows COMMIT

```
SQL> ROLLBACK TO SAVEPOINT INSDept;SPOOL OFF
      2
SQL> SPOOL OFF
```

Oracle BY Sathish Yellanki (SkyEss)

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